

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Appl. No.	:	10/567,006	Confirmation No. 9880
Applicant (s)	:	Cheng Li, et al.	
Filed	:	August 27, 2004	
TC/A.U.	:	3748	
Examiner	:	Nguyen, Tu Minh.	
Title	:	IMPROVED DIESEL EXHAUST FILTER	
Docket No.	:	61861A	
Customer No.	:	00109	

Mail Stop Appeal Brief-Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Response to Notification of Non-Compliant Appeal Brief

This document is in response to the Notification of Non-Compliant Appeal Brief mailed August 27, 2010. Attached is a corrected Claims Appendix listing Claim 12 as “previously presented” with the pending Claim language shown. This corrects the inconsistency between the “Status of Claims” and the “Claims Appendix” raised by the Notification of Non-Compliant Appeal Brief.

Respectfully submitted,

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CLAIMS APPENDIX

Claim 10 has been canceled.

Claims 6, 7, 11, and 13 have been withdrawn.

Claims

1. (Previously Presented) An improved Diesel exhaust filter comprising a rigid porous wall that is comprised of an acicular ceramic, the porous wall having a first side and a second side, the porous wall having therein a Diesel oxidation catalyst layer and a NO_x absorbent layer, wherein the Diesel oxidation catalyst layer is adjacent to the first side of the porous wall and the NO_x absorbent layer is between the Diesel oxidation layer and second side of the porous wall.
2. (Previously Presented) The improved Diesel exhaust filter of Claim 1, wherein the NO_x absorbent is comprised of a barium salt, barium oxide or combination thereof.
3. (Previously Presented) The improved Diesel exhaust filter of Claim 1, wherein the NO_x absorbent is present from 40 grams/liter to 570 grams/liter of the filter.
4. (Previously Presented) The improved Diesel exhaust filter of Claim 1, wherein the acicular ceramic is comprised of acicular mullite.
5. (Previously Presented) The improved Diesel exhaust filter of Claim 3, further comprising a three way catalyst layer within the porous rigid wall, said third catalyst layer being between the second side and NO_x absorbent layer.
6. (Withdrawn)
7. (Withdrawn)
8. (Previously Presented) An improved Diesel exhaust filter comprising a rigid porous wall that is comprised of an acicular ceramic, the porous wall having a first side and a second side, the filter having a Diesel oxidation catalyst layer, three way catalyst layer and a NO_x absorbent layer, wherein the Diesel oxidation catalyst layer is adjacent to the first side of the porous wall, the three way catalyst layer is adjacent to the

second side of the porous wall and at least a portion of the NO_x absorbent layer is in the porous wall between the Diesel oxidation layer and three way catalyst layer.

9. (Previously Presented) The improved Diesel exhaust filter of Claim 8, wherein the acicular ceramic is acicular mullite.
10. (Cancelled).
11. (Previously Presented) The improved Diesel exhaust filter of Claim 7, wherein the alumina particles are colloidal alumina particles.
12. (Previously Presented) The improved Diesel exhaust filter of Claim 8, wherein the Diesel oxidation catalyst is comprised of alumina particles impregnated and coated with platinum.
13. (Withdrawn)
14. (Withdrawn)
15. (Withdrawn)
16. (Withdrawn)
17. (Withdrawn)
18. (Previously Presented) The improved Diesel filter of Claim 8 wherein the NO_x absorber is entirely within the porous filter wall.
19. (Previously Presented) The improved Diesel filter of Claim 18 wherein each of the catalyst layers are within the porous filter wall.